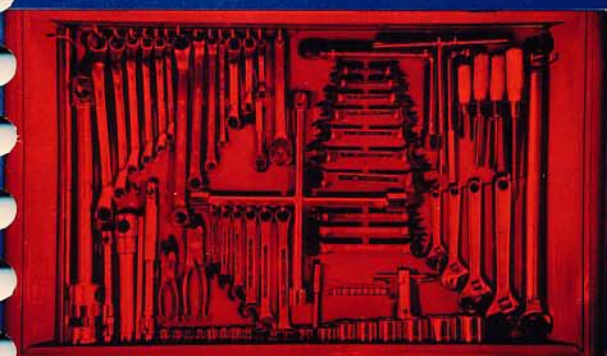




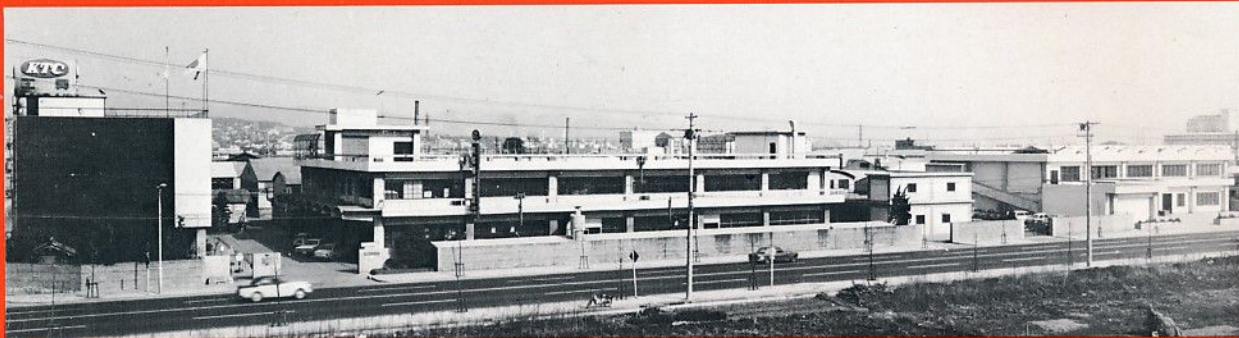
**KTC** HAND TOOLS







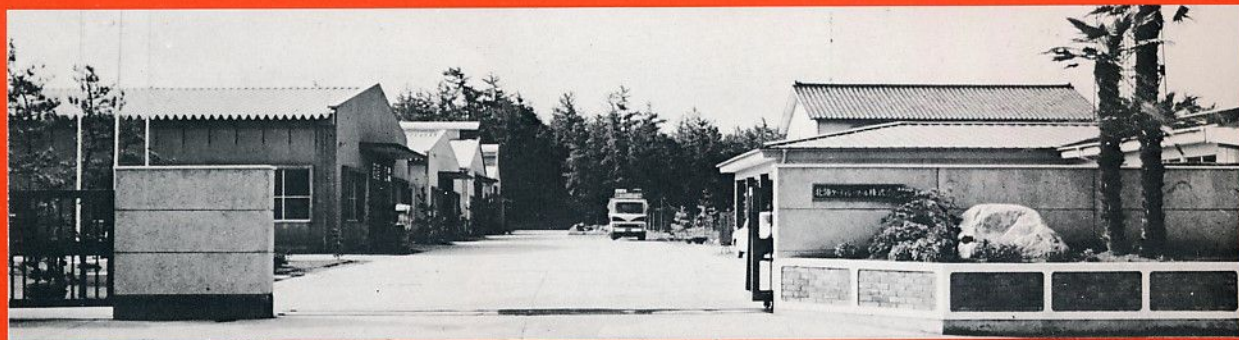
## *FULLY GUARANTEED HIGHEST QUALITY TOOLS*



"KTC" HEAD OFFICE



"KTC" KUMIYAMA PLANT



"KTC" HOKURIKU PLANT

### BRIEF HISTORY OF KYOTO TOOL CO., LTD.

Kyoto Tool Co., Ltd., symbolized as "KTC" was first established in August, 1950, with 11 people originally.

During these past years thru two consecutive 5-year plans started in 1960 most modern hand tool manufacturing plants have been completed.

Further modernization and rationalization is being promoted under the 3rd 5-year plan, currently. "KTC" tools are approved genuine tools of Toyota Motor Co. for its all vehicles exclusively ever since 1950.

Some other leading motor companies are also adopting "KTC" tools including Nissan Motor Company.

### KTC'S MOTTO:

Contribute toward better society by furnishing "Light, Durable and comfortably hand-fitted hand tools."

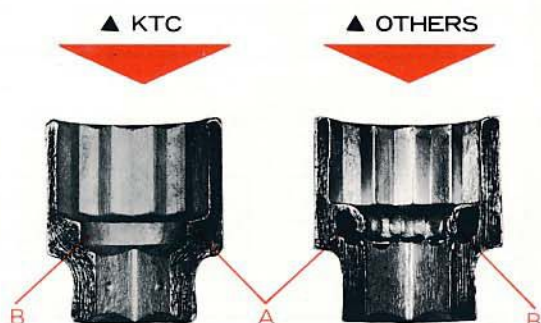
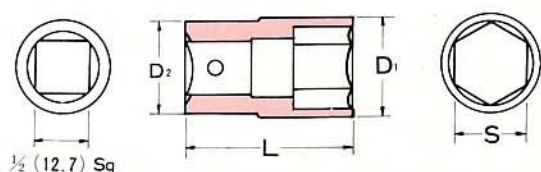


# SOCKET WRENCH PAT.D

Made of Chrome Molybdenum Steel (SCM3). Patented one-punch forging method makes the prominent merits for longer socket life: -

- 1) Special alloy steel and proper heat treatment give these 'KTC' thin wall sockets higher torque strength than ever standard sockets, and reduce weight.
- 2) 'KTC' sockets are specially proceeded to protect high load and wear due to the proper metal fabric composition.
- 3) Our method assures precise opening sizes, also no round-off of bolts or nuts corner nor stress on double hex (12pt.) wrench corner.
- 4) Triple chrome (copper-nickel-chrome) plated finish against rust and corrosion.

## 1/2"(12.7)sq. SOCKET WRENCH



KTC cold forging plasticized method makes no machine dust at all. On others machine dust can easily originate corrosion.

Fiber flow consistency is seen in KTC. No consistency seen in others due to cut in the fiber flow.

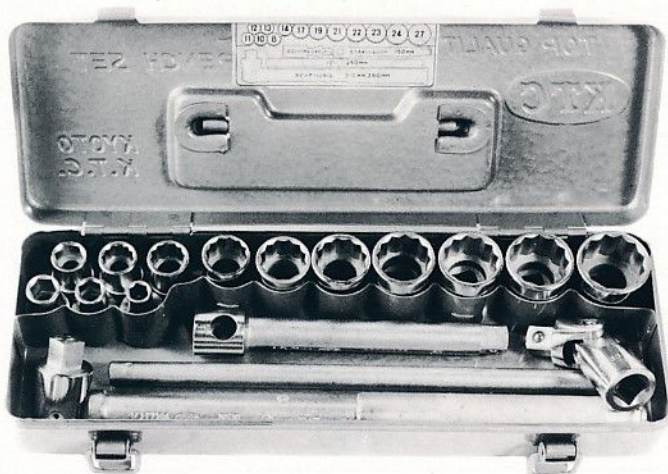
STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
B30-08H	8	12	22	36	40
-09H	9	13.5	22	36	40
-10H	10	14.5	22	36	40
-11H	11	16	22	36	45
-12H	12	17	22	36	48
-13	13	18.5	22	36	50
-14	14	20	22	37	50
-15	15	20	22	37	55
-16	16	20	22	37	55
-17	17	24	22	39	62
-18	18	24.5	22	39	64
-19	19	26	24.5	39	75
-21	21	28.5	26	39	83
-22	22	30	27	41	94
-23	23	31	27.5	41	100
-24	24	32.5	28.5	42	100
-25	25	34	30	42	114
-26	26	35	30	43	127
-27	27	36.5	31	43	145
-28	28	38	32	43	150
-29	29	39	32.5	43	167
-30	30	40.5	33.5	46	200
-32	32	43	35	47	224

STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
BB30-12H	3/8	14	22	36	40
-14H	7/16	16	22	36	44
-16	1/2	18	22	36	49
-18	9/16	20	22	37	51
-19	19/32	22.5	22	37	55
-20	5/8	23	22	39	55
-22	11/16	24	22	39	65
-24	3/4	26	24.5	39	75
-25	25/32	27	26	39	81
-26	13/16	28.5	26	39	85
-28	7/8	30	27	41	95
-30	15/16	32.5	28.5	42	120
-32	1	34	30	43	125
-36	1-1/8	38.5	32.5	43	152

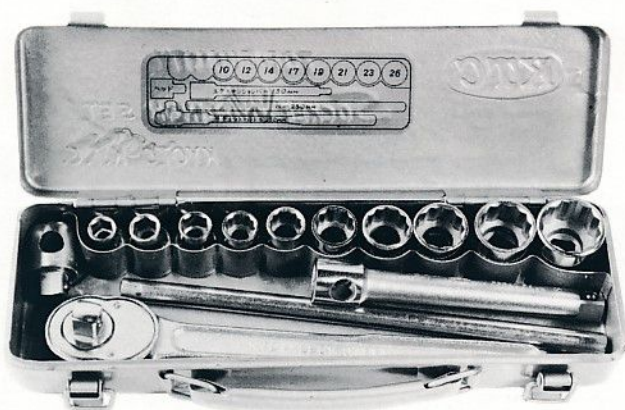
H: Denotes 6 points (Hexagon) opening.



# 1/2"(12.7)sq. SOCKET WRENCH

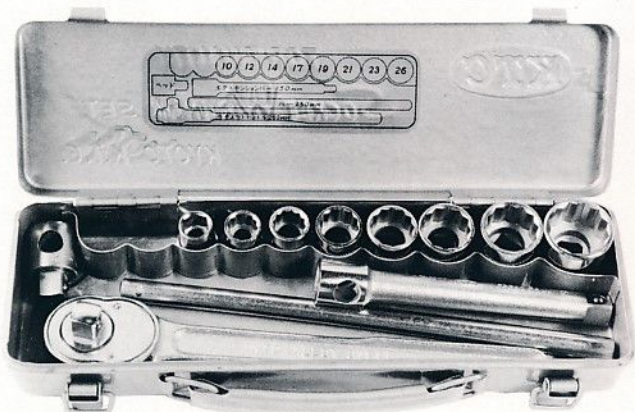


SET NO. SET	B313	B3013	BB313
SOCKET SIZE	10	8	3/8
	11	10	7/16
	12	11	1/2
	13	12	9/16
	14	13	19/32
	14.5	14	5/8
	16	17	11/16
	17	19	3/4
	17.5	21	25/32
	19	22	13/16
	21	23	7/8
	23	24	15/16
	26	27	1
ACCES- SORIES FOR SOCKET	SPINNER HANDLE 300~380 HANDLE BAR 250 EXTENSION BAR 150 UNIVERSAL JOINT METAL CASE 300×100×50		
SET WEIGHT	2840g	2800g	2960g
STANDARD PACKING	10	10	10



(B310)

SET NO. SET	B310	B308
SOCKET SIZE	10	10
	11	12
	12	14
	13	17
	14	19
	17	21
	19	23
	21	26
	23	
	26	
ACCES- SORIES FOR SOCKET	RATCHET HANDLE 255 EXTENSION BAR 150 HANDLE BAR 255 HEAD METAL CASE 300×90×47	
SET WEIGHT	2280g	2000g
STANDARD PACKING	10	10



(B308)



# 1/2" (12.7) sq. SOCKET WRENCH

SET NO. SET	B3017	B3021
SOCKET SIZE	8 27	8 22
	10 29	10 23
	11 30	11 24
	12 32	12 26
	13	13 27
	14	14 29
	17	14.5 30
	19	15 32
	21	16
	22	17
	23	17.5
	24	19
	26	21
ACCES- SORIES FOR SOCKET	RATCHET HANDLE 255	
	EXTENSION BAR 75	
	" 150	
	" 250	
	SPINNER HANDLE 380	
	HANDLE BAR 250	
	HEAD	
	UNIVERSAL JOINT	
	METAL CASE	
	360×160×50	
SET WEIGHT	5180 g	5280g
STANDARD PACKING	5	5




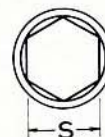
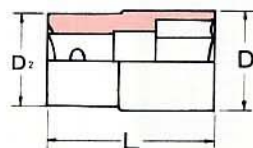
(B3021)




(B3017)

# 3/8" (9.5) sq. SOCKET WRENCH

STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
B20-5.5H	5.5	9	17	26	20
-06H	6	9.5	17	26	20
-07H	7	11	17	26	21
-08H	8	12	17	26	22
-09H	9	13.5	17	27	23
-10H	10	14.5	17	27	24
-11H	11	16	17	27	24
-12H	12	17	17	28	25
-13	13	18.5	18.5	28	25
-14	14	20	19.5	28	30
-17	17	24	22.5	30	50
-19	19	26	24	30	60
-21	21	28.5	25.5	32	80

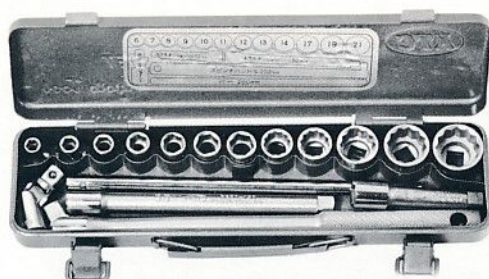


STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
BB20-18	9/16	20	19.5	28	34
-19	19/32	21	20	28	34
-20	5/8	22.5	21.5	30	39
-22	11/16	24	22.5	30	52

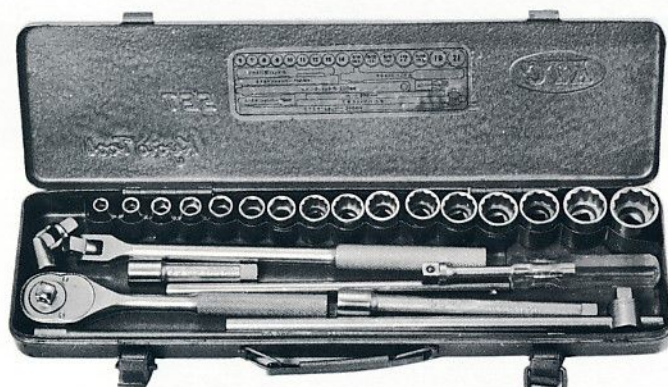
H: Denotes 6 points opening.



## 3/8" (9.5) sq. SOCKET WRENCH



(B212)



(B216)

SET NO. SET	B212	B216
SOCKET SIZE	6 12	6 13 19
	7 13	7 14 21
	8 14	8 14.5
	9 17	9 15
	10 19	10 16
	11 21	11 17
		12 17.5
ACCES- SORIES FOR SOCKET	SPINNER HANDLE 250	RATCHET HANDLE 180
	EXTENSION BAR 75-150	EXTENSION BAR 75
	UNIVERSAL JOINT	" 150
	HANDLE BAR 200	" 300
	METAL CASE 65×35×265	SPINNER HANDLE 250
		UNIVERSAL JOINT
		DRIVER TYPE HANDLE 150
		BAR 200 HEAD
		METAL CASE 100×36×370
SET WEIGHT	1380g	2640
STANDARD PACKING	10	10

## HANDY SOCKET WRENCH SET

Available for Automotive/Autocycle maintenance and Mechanic/Household purpose.

Made of fully cold drop forged 'KTC' special alloy steel, and triple chrome plated finish, in plastic carrying case with transparent PVC pad.

## 3/8" (9.5) sq. SOCKET WRENCH



SET NO. SET	B2009
SOCKET SIZE	3/8" sq. - 10, 11, 12, 14, 16, 17, 19, 21mm.
ACCES- SORIES FOR SOCKET	3/8" sq. - Ratchet handle Extension bar 75mm. & 150mm. Spark plug- wrench (21mm.)



## 3/8" & 1/4" sq. COMBINATION SET

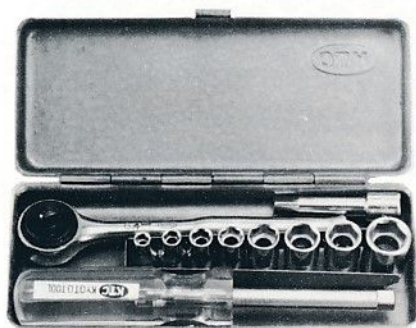


SET NO.	B1215
SET	3/8" sq. - 12, 13, 14, 16, (12pt.) 17, 19, 21 mm. 1/4" sq. - 4, 5, 6, 7, 8, 9, 10, 11 mm.
SOCKET SIZE	3/8" sq. - Ratchet handle Extension bar 150mm. Spark plug wrench (20.6mm.) 1/4" sq. - Driver-type handle Extension bar 50mm. Adapter, 1/4" male 3/8" female

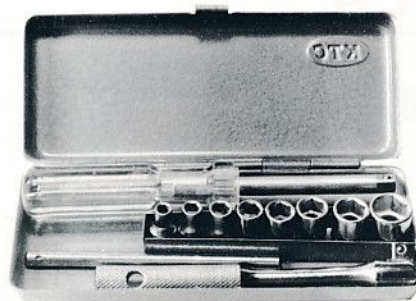
## 1/4" (6.35) sq. SOCKET WRENCH

STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
B10-04H	4	7	12	21	6
-05H	5	8.5	12	21	6
-5.5H	5.5	9	12	21	8
-06H	6	9.5	12	21	8
-07H	7	11	12	21	8
-08H	8	12	12	22	10
-09H	9	13.5	13.5	22	15
-10H	10	15	15	22	16
-11H	11	16	16	23	22
-12H	12	17.5	17.5	23	25

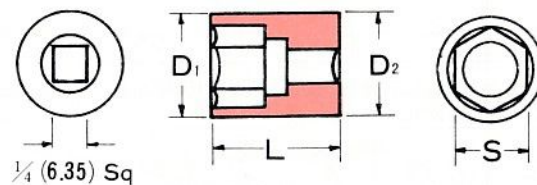
STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
BB10-06H	3/16	8	12	21	8
-07H	7/32	9	12	21	8
-08H	1/4	10	12	21	8
-09H	9/32	11	12	21	8
-10H	5/16	12	12	22	14
-11H	11/32	13	13	22	18
-12H	3/8	14	14	22	20
-14H	7/16	16	16	23	22



(B118)




(B108)

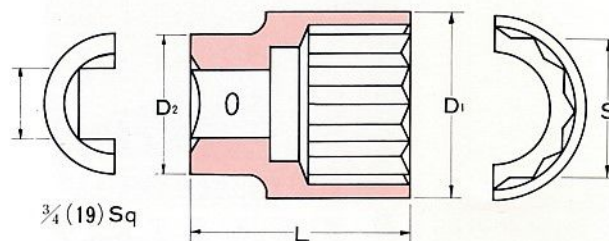



SET NO.	B108	BB108	B118	BB118
SET	4 7 10 5 8 12 6 9	3/16 3/8 9/32 7/32 7/16 5/16 1/4 11/32	4 5 6 7 8 9 10 12	3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16
SOCKET SIZE				
ACCESSORIES	SPINNER HANDLE 150 DRIVER PATTERN HANDLE 150 HANDLE BAR 100 METAL CASE 150×60×25		RATCHET HANDLE 150 DRIVER PATTERN HANDLE 150 EXTENSION BAR 75 METAL CASE 150×60×25	
SOCKET				
SET WEIGHT	430g	420g	506	506
STANDARD PACKING	20	20	20	20



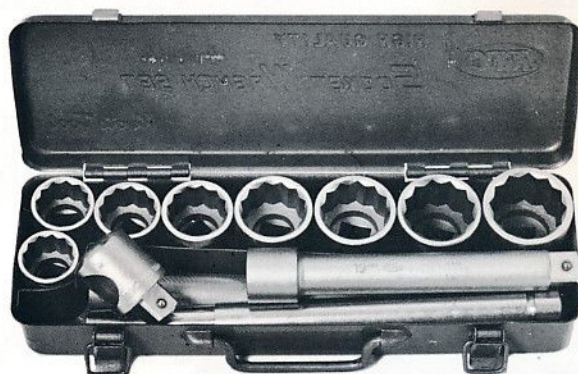
## 3/4"(19)sq. SOCKET WRENCH & SET

STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
B40-19	19	27.5	34	45	125
-21	21	30	34	46	152
-22	22	31	34	48	157
-23	23	32.5	34	48	165
-24	24	34	34	50	180
-26	26	36.5	34	51	204
-27	27	37.5	34	51	205
-29	29	40	34	53	233
-30	30	41.5	34	54	243
-32	32	44	37	56	298
-35	35	48	37	59	370
-36	36	49.5	37	60	382
-38	38	52	37	62	419
-41	41	56	37	65	480
-46	46	63	44	70	540
-47	47	64	44	71	600
-50	50	68	46	74	780
-54	54	73	48	76	1000
-55	55	75	48	79	1160
-56	56	76	48	80	1190
-58	58	79	48	82	1300
-60	60	81	48	84	1420




STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
BB40-34	1-1/16	37.5	34	51	230
-36	1-1/8	39.5	34	53	250
-38	1-3/16	41.5	34	54	280
-40	1-1/4	44	37	56	300
-44	1-3/8	48	37	59	340
-46	1-7/16	50	37	60	360
-48	1-1/2	52	37	62	480
-52	1-5/8	56	37	65	500

SET NO.	B406	B4006	BB408
SET			
SOCKET SIZE	26	24	1-1/16
	29	27	1-1/8
	32	30	1-3/16
	35	32	1-1/4
	38	36	1-3/8
	41	41	1-7/16
ACCES- SORIES FOR SOCKET	HEAD FOR SLIDING TEE HANDLE		
	HANDLE BAR		
	EXTENSION BAR 200		
	METAL CASE 335×100×67		
SET WEIGHT	5660g	5280g	6000g
STANDARD PACKING	5	5	5



## 1/1"(25.4)sq. SOCKET WRENCH

STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
B50-63	63	88	60	103	2040
-67	67	94	60	108	2370
-71	71	99	65	113	2900
-73	73	101.5	65	116	3000
-77	77	107	65	120	3480
-85	85	117	70	130	4530






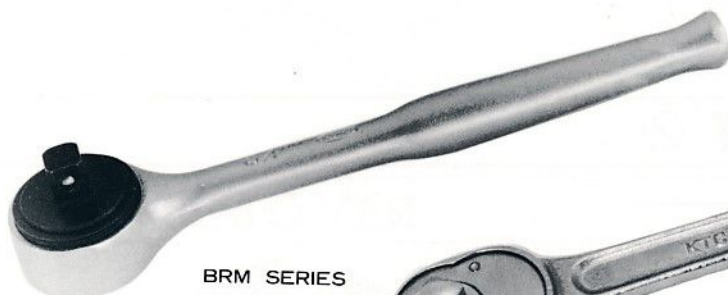
# ACCESSORIES FOR SOCKET WRENCH

## RATCHET HANDLE

Made of Special alloy steel, triple chrome plated, simple and trouble-free mechanism.



STOCK NO.	SQUARE DRIVE	LENGTH	
BRM10	1/4 (6.35)	130	100
BRM20	3/8 (9.5)	188	280
BR 20	3/8 (9.5)	180	263
BR20J	"	255	392
BR30F	1/2 (12.7)	250	439
BRM30	"	260	522
BR40	3/4 (19)	500	1850



BRM SERIES




BR SERIES



## SPINNER HANDLE




STOCK NO.	SQUARE DRIVE	LENGTH	
B S 10	1/4 (6.35)	144	85
B S 20	3/8 (9.5)	250	294
B S 30	1/2 (12.7)	300~380	640
B S 30-380	"	380	820
B S 40-500	3/4" (19.0)	500	201






## EXTENSION BAR

STOCK NO.	SQUARE DRIVE	LENGTH	
BE10-50	1/4(6.35)	50	
BE20-75	3/8(9.5)	75	78
-150	"	150	138
-250	"	250	232
-300	"	300	274
BE30-75	1/2(12.7)	75	122
-150	"	150	245
-250	"	250	398
-600	"	600	940
-1000	"	1000	1580
BE40-130	3/4(19)	130	515
-200	"	200	800
-400	"	400	1550




## UNIVERSAL JOINT

STOCK NO.	SQUARE DRIVE	LENGTH	
BJ 20	3/8(9.5)	54	50
BJ 30	1/2(12.7)	73	170




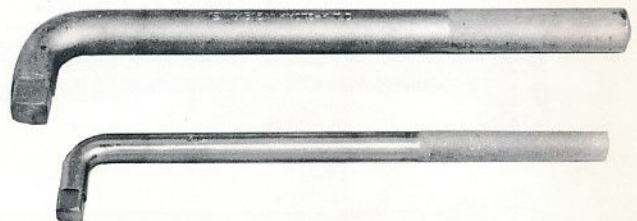
## SLIDING BAR & HEAD

STOCK NO.	SQUARE DRIVE	LENGTH	
BL 10	1/4(6.35)	100	15
BL 20	3/8(9.5)	200	103
BL 30	1/2(12.7)	250	223
BL 40	3/4(19)	500	1400
BL 40-500	3/4(19)	500	1380
BH 20	3/8(9.5)	310	
BH 30	1/2(12.7)	420	95
BH 40	3/4(19)	710	300



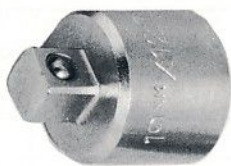
## OFFSET HANDLE


STOCK NO.	SQUARE DRIVE	LENGTH	
BO 30	1/2(12.7)	280	500
BO 40	3/4(19)	315	1290
BO 50	1(25.4)	600	3220



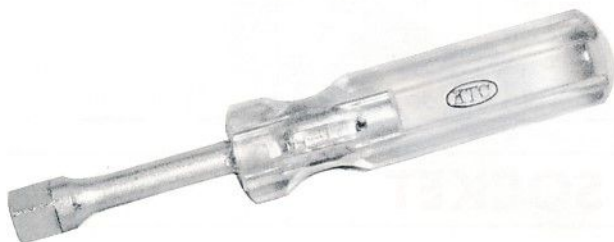



## ADAPTER



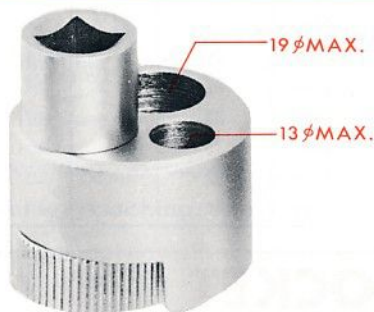
STOCK NO.	SQUARE DRIVE		
	FEMALE	MALE	
BA 2010	3/8 ( 9.5 )	1/4 (6.35)	28
BA 2030	3/8 ( 9.5 )	1/2 (12.7)	38
BA 3020	1/2 (12.7)	3/8 ( 9.5 )	70
BA 3040	1/2 (12.7)	3/4 (19)	105
BA 4030	3/4 (19)	1/2 (12.7)	150


## DRIVER TYPE HANDLE



STOCK NO.	SQUARE DRIVE	LENGTH	
BD 10	1/4 ( 6.35 )	150	66
BD 20	3/8 ( 9.5 )	150	72

## STUD REMOVER

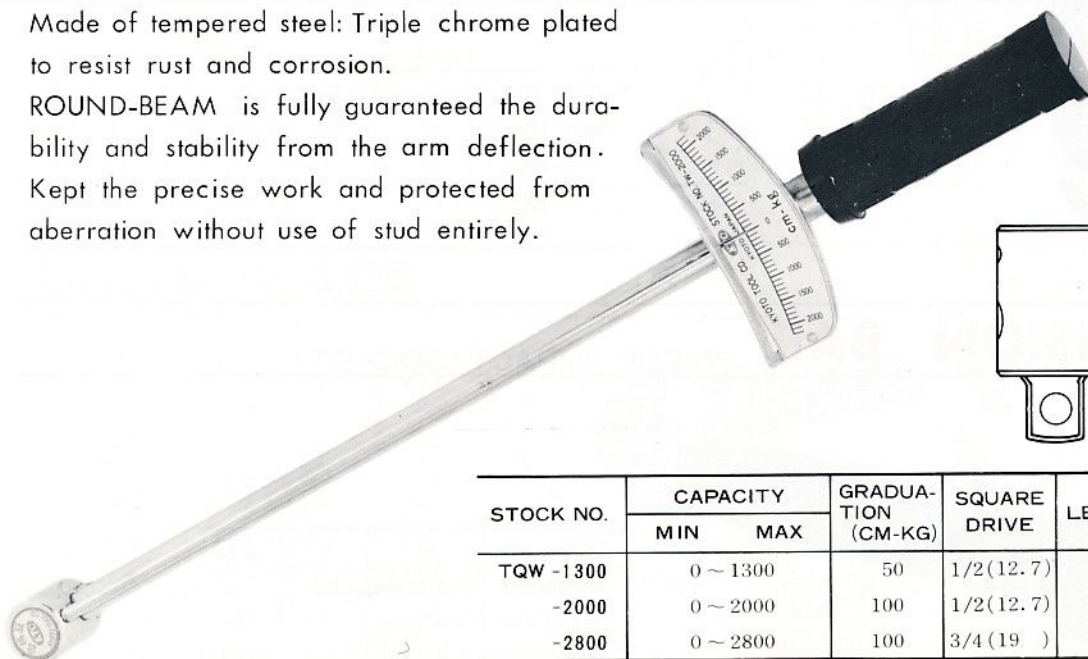



STOCK NO.	SQUARE DRIVE	
BSR 30	1/2 ( 12.7 )	420

## TORQUE WRENCH PAT. P

Made of tempered steel: Triple chrome plated to resist rust and corrosion.

ROUND-BEAM is fully guaranteed the durability and stability from the arm deflection. Kept the precise work and protected from aberration without use of stud entirely.



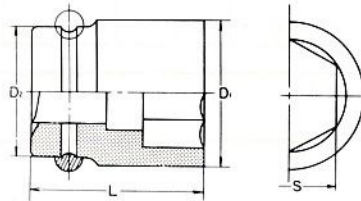
STOCK NO.	CAPACITY		GRADUATION (CM-KG)	SQUARE DRIVE	LENGTH	
	MIN	MAX				
TQW -1300	0 ~ 1300		50	1/2 (12.7)	450	760
-2000	0 ~ 2000		100	1/2 (12.7)	506	1000
-2800	0 ~ 2800		100	3/4 (19 )	577	1320



# IMPACT SOCKET

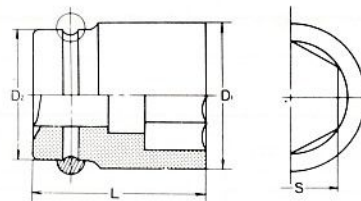
WITH HARDENED PIN & RUBBER RING STOPPER

## 1/2" (12.7)sq. IMPACT SOCKET



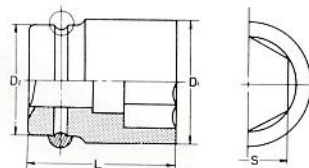
STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
PB30-14H	14	23	26	36.5	110
-17H	17	27	29	39	140
-19H	19	30	29	40	160
-21H	21	32.5	29	41	180
-22H	22	33.5	29	42	180
-23H	23	35	29	43	190
-24H	24	36.5	29	43.5	200
-26H	26	38.5	29	45	210

## 3/4" (19.0)sq. IMPACT SOCKET



STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
PB40-23H	23	36.5	38	51	290
-24H	24	38.5	38	51.5	300
-26H	26	40	39.5	53	330
-27H	27	41.5	40	53.5	350
-29H	29	45	40	54	390
-30H	30	46	40	55	400
-32H	32	48.5	40	56	440
-35H	35	52.5	40	58	510

## 1" (25.4)sq. IMPACT SOCKET



STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
PB50-32H	32	50	50	80	760
-35H	35	54	53	80	820
-38H	38	59	53	80	940
-41H	41	63	53	80	1050

## EXTENSION BAR

(FOR IMPACT SOCKET)



STOCK NO.	sq.	L	
PBE30-100	12.7 (1/2)sq.	100	230
PBE40-150	19.0 (3/4)sq.	150	680
PBE50-200	25.4 (1)sq.	200	1380



# BOLT CLIPPER PAT.P

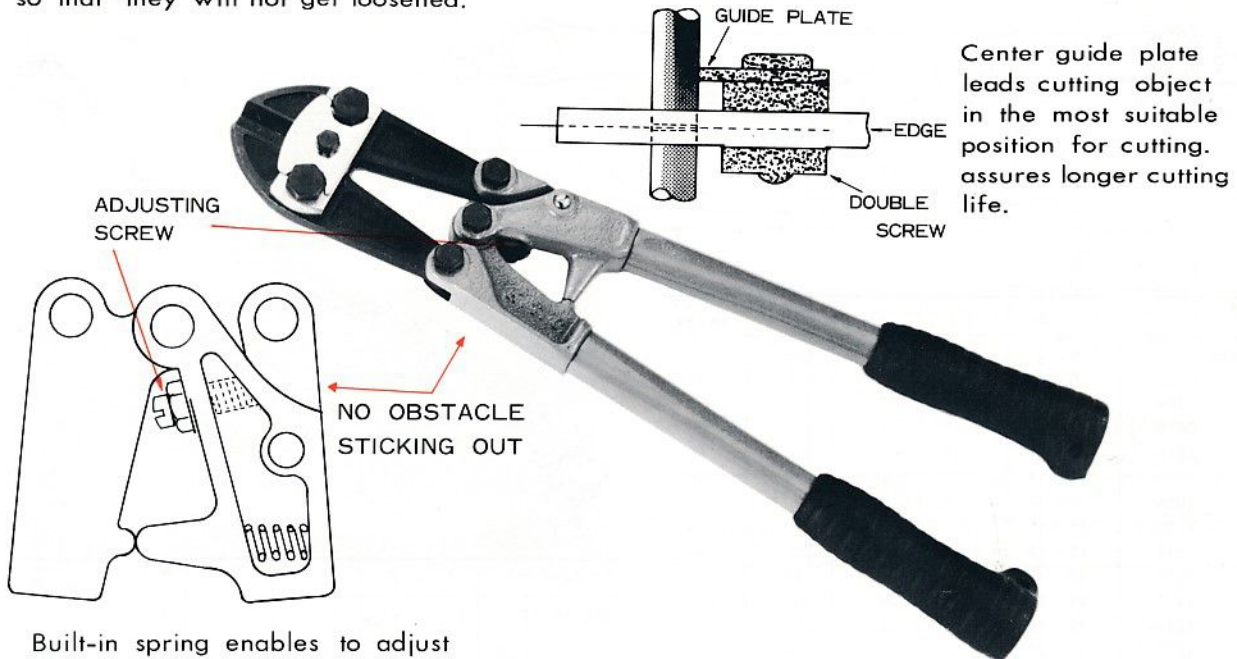
NEWLY DESIGNED AND ENGINEERED KTC POWERFUL BOLT CLIPPERS.

Blades are made of fully drop forged chrome vanadium special alloy steel and highly controlled heat treatments given.


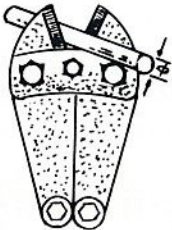
Plus, second induction heat treatment on the edges MAKES tough sharp long lasting cutting power.

Handles are of rigid steel pipe construction with rubber cushion grip ends for comfortable handling.

All the screws used in the edges are of double nut system and fastenly secured so that they will not get loosened.




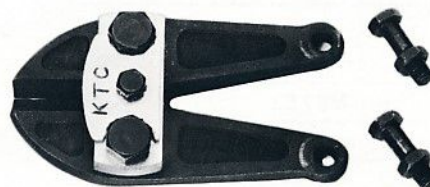
Built-in spring enables to adjust edges alignment by touching one tiny screw which is fixed in inside the leverage portion, therefore, no obstacle sticking out.

STOCK NO.	Nominal size		Maximum cutting capacity Hardness of Rockwell "C"		
			To 20 (75kg/mm <sup>2</sup> )	To 35 (100kg/mm <sup>2</sup> )	
BP2-300	3 0 0 (12")	900	5 mm $\phi$	2 mm $\phi$	
-350	3 5 0 (14")	1180	6 mm $\phi$	3 mm $\phi$	
-450	4 5 0 (18")	1780	7 mm $\phi$	4 mm $\phi$	
-600	6 0 0 (24")	2940	9 mm $\phi$	5 mm $\phi$	
-750	7 5 0 (30")	4700	12 mm $\phi$	6 mm $\phi$	
-900	9 0 0 (36")	6520	15 mm $\phi$	7 mm $\phi$	

MADE TO U.S. FEDERAL SPECIFICATIONS NO. GGG-C-740d.

## SPARE BLADE

STOCK NO.	NOMINAL SIZE	
BP2K-300	3 0 0 (12")	280
-350	3 5 0 (14")	390
-450	4 5 0 (18")	580
-600	6 0 0 (24")	970
-750	7 5 0 (30")	1400
-900	9 0 0 (36")	2050



(complete spare BLADE set)

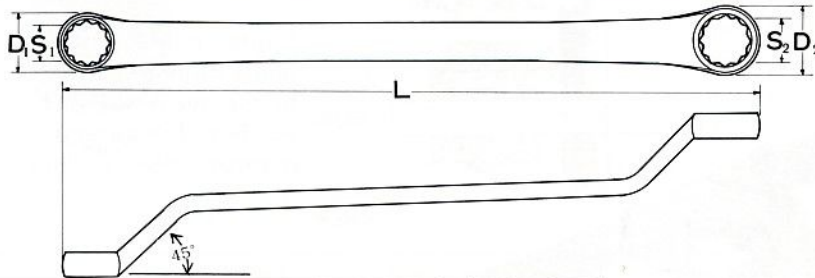



# OFFSET WRENCH


Offset (Box End) Wrench:

Drop forged alloy steel. Each wrench designed for strength, light weight and proper leverage. Wide selective Patterns for any working condition. Well-heat treated (HRC 38-42) and triple chrome plated to resist rust and corrosion.

## 45° LONG PATTERN



STOCK NO.	S <sub>1</sub> × S <sub>2</sub>	D <sub>1</sub>	D <sub>2</sub>	L	
M25-5.507	5.5 × 7	9.5	12	151	30
-0607	6 × 7	10.5	12	151	30
-0809	8 × 9	13.5	15	174	60
-0810	8 × 10	13.5	16.5	175	60
-1012	10 × 12	16.5	19	198	76
-1013	10 × 13	16.5	20.5	199	85
-1014	10 × 14	16.5	22	220	90
-1113	11 × 13	18	20.5	199	88
-1214	12 × 14	19	22	220	118
-1317	13 × 17	20.5	26	243	140
-1417	14 × 17	22	26	244	156
-1719	17 × 19	26	28.5	272	225
-1721	17 × 21	26	31	309	310
-1921	19 × 21	28.5	31	310	319
-1922	19 × 22	28.5	32.5	310	319
-2123	21 × 23	31	33.5	327	400
-2224	22 × 24	32.5	35	314	436
-2326	23 × 26	33.5	37.5	355	446
-2427	24 × 27	35	38.5	362	456

STOCK NO.	S <sub>1</sub> × S <sub>2</sub>	D <sub>1</sub>	D <sub>2</sub>	L	
MB25-1214	3/8 × 7/16	16	18	197	80
-1618	1/2 × 9/16	20	22	221	114
-2022	5/8 × 11/16	24	26	245	162
-2425	3/4 × 25/32	28.5	29.5	274	213
-2628	13/16 × 7/8	30.5	32.5	311	300
-3032	15/16 × 1	34.5	36.5	355.5	460

SET NO.	M256	M2506	MB256
SIZE	10 × 12	8 × 10	3/8 × 7/16
	12 × 14	11 × 13	1/2 × 9/16
	14 × 17	12 × 14	5/8 × 11/16
	17 × 19	17 × 19	3/4 × 25/32
	19 × 21	22 × 24	15/16 × 7/8
	23 × 26	24 × 27	15/16 × 1
SETWEIGHT	2,140g	2,140g	2,000g
STANDARD PACKING	15	15	15

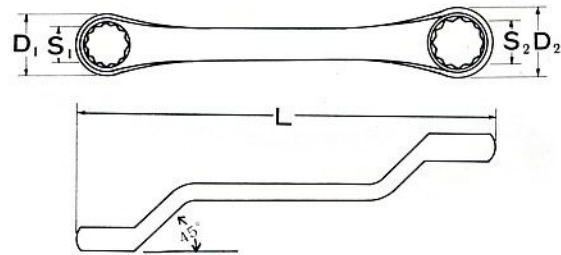



SET NO.	M253	MB253
SIZE	10 × 12	3/8 × 7/16
	12 × 14	1/2 × 9/16
	14 × 17	5/8 × 11/16
SET WEIGHT	340g	360g
STANDARD PACKING	15	15




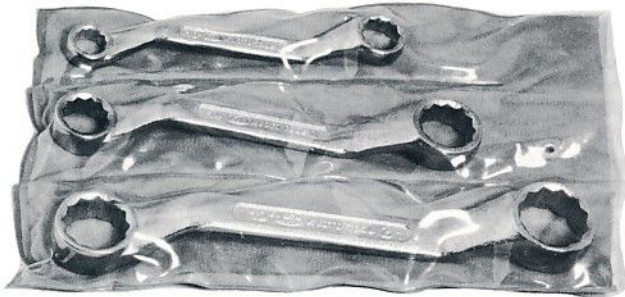


## 45° SHORT PATTERN & SET



STOCK NO.	$S_1 \times S_2$	$D_1$	$D_2$	L	
M 20-1012	10×12	16.5	19	116	45
-1417	14×17	22	26	144	88
-1921	19×21	28.5	31	178	155

STOCK NO.	$S_1 \times S_2$	$D_1$	$D_2$	L	
MB 20-1214	3/8×7/16	16	18	112	43
-1618	1/2×9/16	20	22.5	131	100
-2022	5/8×3/4	24.5	28.5	156	170



SET NO.	M203	MB203
SET		
SIZE	10×12 14×17 19×21	3/8×7/16 1/2×9/16 5/8×3/4
SET WEIGHT	292g	300g
STANDARD PACKING	15	15

## 3 PCE. RATCHET BOX END WRENCH SET

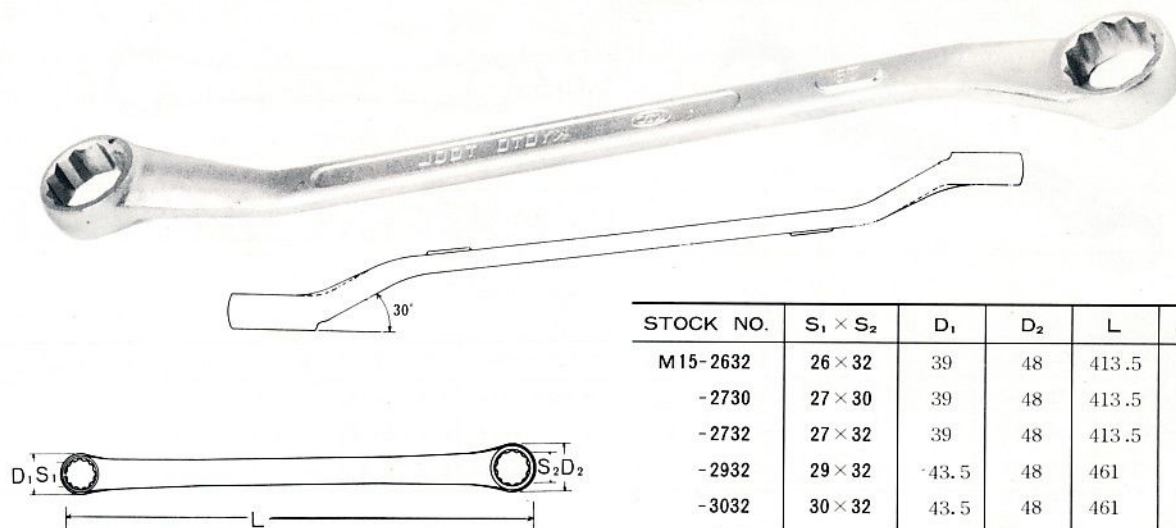
Constructed from strong sheet metal handle fastened with 4 rivets. 6 points opening.  
Use for provisional light duty only. Unfit for heavy duty purpose.


SET NO.	RM3
SET	
SIZE	8×9 10×12 14×17
SET WEIGHT	480 g
STANDARD PACKING	





## 30° HEAVY DUTY PATTERN




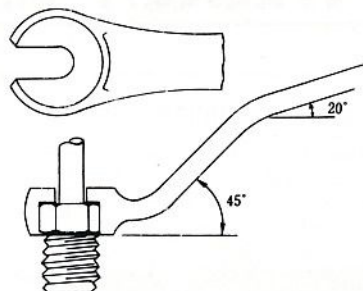
STOCK NO.	S <sub>1</sub> × S <sub>2</sub>	D <sub>1</sub>	D <sub>2</sub>	L	
M15-2632	26 × 32	39	48	413.5	760
-2730	27 × 30	39	48	413.5	760
-2732	27 × 32	39	48	413.5	800
-2932	29 × 32	43.5	48	461	900
-3032	30 × 32	43.5	48	461	880
-3538	35 × 38	52	56	519	1330
-3638	36 × 38	52	56	519	1360
-4146	41 × 46	61	68	594.5	2000

## SPECIAL OFFSET WRENCH PAT. P

## WRENCH FOR FLARE NUT



STOCK NO.	S <sub>1</sub> × S <sub>2</sub>	L	
MZ1-1014B	10 × 7/16	160	80
-1112	11 × 12	160	78
-1014	10 × 14	164.5	104



MODEL MZ 1-For motor vehicles brake pipe,


- 1) To reduce the energy when take-off the tight flare-nut.
- 2) Suitable design to avoid the trouble for flare-nut wreckage and touching to adjoining mechanics.
- 3) Effective drive end and curved shank without any damage for center pipe.

## WRENCH FOR HIGH-PRESSURE FLARE NUT



MODEL MZ 2-For high pressure pipe,


To use easy, speedy and accurate works for pipe-adjusting between Injection Pump and Cylinder Head. 17 × 19 drive sizes cover to work on Diesel Engine Truck with the most workable straight pattern.

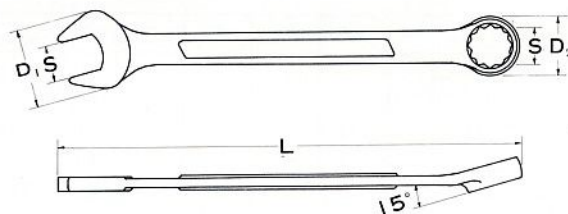
STOCK NO.	S	L	
MZ 2-1719	17 × 19	222.5	240




# COMBINATION WRENCH & SET

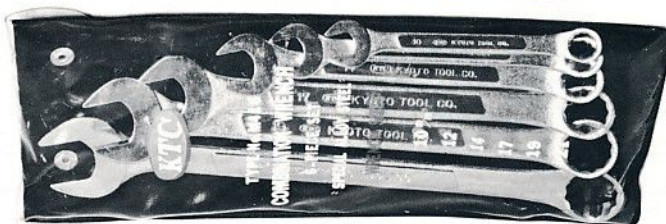


STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
M41-06	6	14	10	91	18
-07	7	16	11.5	95	20
-08	8	18	13	102	20
-09	9	20	14.5	109	40
-10	10	21.5	16	121	39
-11	11	24	17	138	50
-12	12	26	18	146	62
-13	13	27	19	157	69
-14	14	30	21	173	86
-15	15	32	23	186	100
-16	16	34	24	200	111
-17	17	36	25	214	140
-18	18	38	27	228	170
-19	19	40	27.5	242	194
-20	20	42	30	259	230
-21	21	44	30.5	274	256
-22	22	46	32	288	275
-23	23	48.5	34	301	340
-24	24	50.5	35.5	317	380
-25	25	52	36.5	334	420
-26	26	54	38	351	458
-27	27	56	39.5	368	562
-28	28	58	41	381	580
-29	29	60	42.5	398	690
-30	30	62	44	419	680
-32	32	66	47	447	850
-36	36	74	52.5	481	1170
-41	41	84	59.5	520	1630

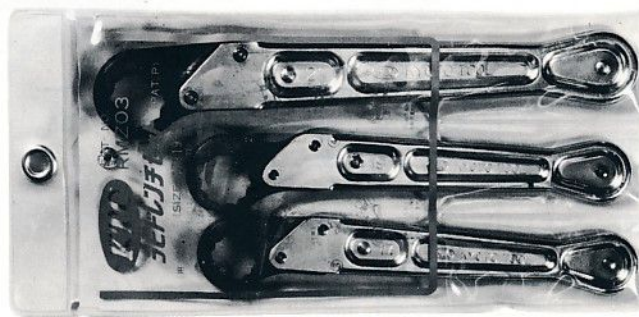
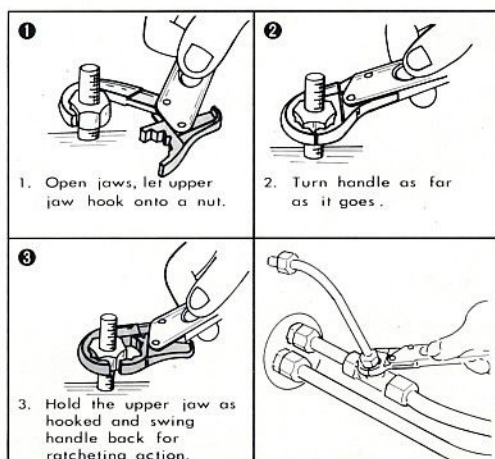


STOCK NO.	S	D <sub>1</sub>	D <sub>2</sub>	L	
MB41-08	1 / 4	14.5	10.5	91	15
-10	5 / 16	18	13	102	27
-12	3 / 8	21	15	115	35
-14	7 / 16	24	17	139	46
-16	1 / 2	27	19	157	61
-18	9 / 16	30.5	21	179	84
-20	5 / 8	34	23	199	112
-22	11 / 16	37	25.5	220	190
-24	3 / 4	40	27.5	242	210
-26	13 / 16	43.5	30	271	250
-28	7 / 8	46	32	288	258
-30	15 / 16	50	34	345	360
-32	1 / 1	52	36	347	420
-34	1-1/16	56	39.5	368	540

SET NO.	M416	MB416
SET		
SIZE	10 12 14 17 19 21	7 / 16 1 / 2 9 / 16 5 / 8 11 / 16 3 / 4
SET WEIGHT	800g	680g
STANDARD PACKING	30	30



## RAPID WRENCH SET




SET NO.	SIZE	SET WEIGHT	STANDARD PACKING
RMZ03	17. 19. 21	620	
RMZ13	10. 12. 14	620	



# OPEN END WRENCH

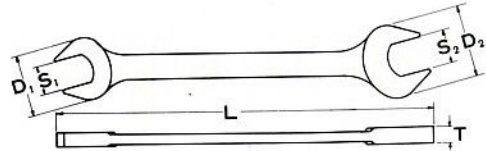
## STANDARD PATTERN


STOCK NO.	S <sub>1</sub> × S <sub>2</sub>	D <sub>1</sub>	D <sub>2</sub>	T	L	
S10 -0809	8 × 9	18	20	4.5	112	24
1012	10 × 12	22	26.5	6	127	35
1214	12 × 14	26.5	29.5	6.5	141	54
1417	14 × 17	29.5	36	6.5	162	84
1719	17 × 19	36	40	7	180	110
1921	19 × 21	40	44.5	7.5	200	149
2123	21 × 23	44.5	48.5	8	213	280
2126	21 × 26	44.5	54	8.5	230	232
2326	23 × 26	48.5	54	8.5	230	250
2632	26 × 32	54	66	9.5	270	375
3236	32 × 36	66	74	12	310	
4146	41 × 46	84	94	14	395	
S100-5.507	5.5 × 7	13	16	3.2	100	15
-0607	6 × 7	14	16	3.2	100	16
-0608	6 × 8	14	18	4	103	18
-0708	7 × 8	16	18	4	105	20
-0810	8 × 10	19.5	23.5	5	120	35
-1011	10 × 11	22	24	5.5	123	40
-1013	10 × 13	22	28.5	6.5	134	60
-1014	10 × 14	22	29.5	6.5	139	65
-1113	11 × 13	24	28.5	6.5	134	60
-1214	12 × 14	26.5	29.5	6.5	141	71
-1317	13 × 17	28.5	36	6.5	162	
-1719	17 × 19	36	40	7	180	135
-1721	17 × 21	36	44.5	7.5	198	
-1922	19 × 22	40	46.5	7.5	207	183
-2224	22 × 24	46.5	50.5	8	220	260
-2427	24 × 27	50.5	56	8.5	245	309
-2632	26 × 32	54	66	9.5	270	
-2730	27 × 30	56	62	9	270	

S10 SERIES



S100 SERIES



STOCK NO.	S <sub>1</sub> × S <sub>2</sub>	D <sub>1</sub>	D <sub>2</sub>	T	L	
SB10-1012	5/16 × 3/8	17.5	20.5	4.5	112	26
-1314	13/32 × 7/16	22	24	5	127	36
-1618	1/2 × 9/16	27	30	6	141	60
-1922	19/32 × 11/16	32	37	6.5	162	88
-2024	5/8 × 3/4	33.5	40	7	180	122
-2528	25/32 × 7/8	42	47	8	213	186



SET NO.	S106	S116	SB106	S1006
SET				
SIZE	8 × 9	8 × 9	5/16 × 3/8	6 × 7
	10 × 12	10 × 12	13/32 × 7/16	8 × 10
	12 × 14	12 × 14	1/2 × 9/16	11 × 13
	14 × 17	14 × 17	19/32 × 11/16	12 × 14
	17 × 19	19 × 21	5/8 × 3/4	17 × 19
	21 × 23	23 × 26	25/32 × 7/8	22 × 24
SET WEIGHT	635g	758g	635g	638g
STANDARD PACKING	30	30	30	30



# LONG PATTERN



STOCK NO.	S <sub>1</sub> × S <sub>2</sub>	D <sub>1</sub>	D <sub>2</sub>	T	L	
S 15-0809	8 × 9	18	20	4.5	121	25
-1012	10 × 12	22	26.5	6	147	42
-1214	12 × 14	26.5	29.5	6.5	167	60
-1417	14 × 17	29.5	36	6.5	192	91
-1719	17 × 19	36	40	7	210	122
-1921	19 × 21	40	44.5	7.5	229	165
-2123	21 × 23	44.5	48.5	8	247	200
-2326	23 × 26	48.5	54	8.5	272	272
S 150-0607	6 × 7	14.5	16.5	3.2	114	20
-0810	8 × 10	19.5	23.5	5	137	88
-1113	11 × 13	24.5	29.5	6.5	154	80
-1214	12 × 14	28.5	31.5	6.5	159	86
-1719	17 × 19	37.5	41.5	7	203	152
-2224	22 × 24	46.5	50.5	8	248	260
-2730	27 × 30	50.5	56	8.5	277	280

STOCK NO.	S <sub>1</sub> × S <sub>2</sub>	D <sub>1</sub>	D <sub>2</sub>	T	L	
S B15-1214	3/8 × 7/16	20.5	24	5	139	40
-1618	1/2 × 9/16	27	30	6	167	70
-1920	19/32 × 5/8	32	33.5	6.5	182	100
-2224	11/16 × 3/4	37	40	7	210	136
-2528	25/32 × 7/8	42	47	8	240	208
-3032	15/16 × 1	50	53	8.5	272	293

SET NO.	S156	S166	S1506	SB156
SET				
SIZE	8 × 9	8 × 9	6 × 7	3/8 × 7/16
	10 × 12	10 × 12	8 × 10	1/2 × 9/16
	12 × 14	12 × 14	11 × 13	19/32 × 5/8
	14 × 17	14 × 17	12 × 14	11/16 × 3/4
	17 × 19	19 × 21	17 × 19	25/32 × 7/8
	21 × 23	23 × 26	22 × 24	15/16 × 1
SET WEIGHT	600g	723g	750g	828g
STANDARD PACKING	30	30	30	30

# U-BOLT NUT WRENCH



STOCK NO.	S <sub>1</sub> × S <sub>2</sub>	L	
S 90-1921	19 × 21	550	1280
-2123	21 × 23		1380
-2224	22 × 24	556	1360
-2326	23 × 26	567	1540
-2332	23 × 32	590	1840
-2335	23 × 35	614	2080
-2427	24 × 27	594	1520
-2632	26 × 32	614	2000
-2635	26 × 35	600	2140
-2932	29 × 32	621	2080
-3032	30 × 32	621	2100
-3235	32 × 35	634	2220
-3236	32 × 36	634	2300




## COMBINATION PLIER PATD.

KTC pliers have 2 position slip joints to permit a wide gripping section with matching, sharp, parallel teeth and a curved section for pipe work.

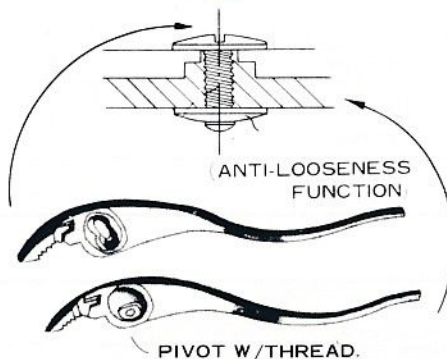
Patented stud positioning hole is pivoted to give a snug and easy working joint which protects stud wear and fear of slippage. This brings heavy duty works than others.

No loosening of bolt-nut by the effective double nut mechanic.

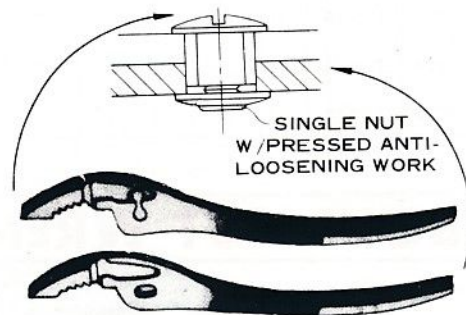


STOCK NO.	L	
JP -200	200	262
JPS-150	150	148
-200	200	234

KTC JP TYPE (PATENTED)




OTHERS JPS TYPE



## WATER PUMP PLIER GROOVE JOINT TYPE.




STOCK NO.	L	
WPD -200	200	230
-250	250	330




## LONG NOSE PLIER



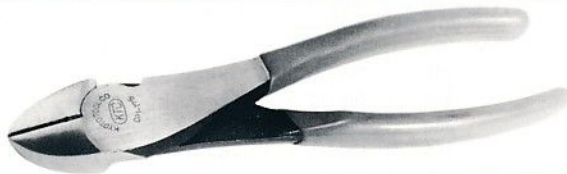
STOCK NO.	L	
LP-150	165	150


## SIDE CUTTING PLIER



STOCK NO.	L	
SPD-150	150	222
-175	175	294
-200	200	360


## HEAVY DUTY DIAGONAL PLIER



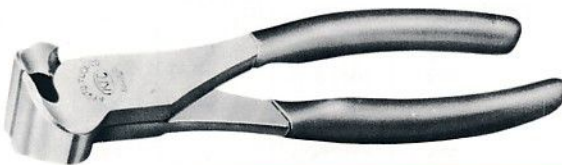
STOCK NO.	L	
DPI-175S	160	240


## DIAGONAL CUTTING PLIER



STOCK NO.	L	
DP-150	150	156


## END NIPPER



STOCK NO.	L	
EP-160S	180	220


## ROUND NOSE CHAIN PLIER (WITH SIDE CUTTER)



STOCK NO.	L	
RP-160	160	146

## ALL PURPOSE SHEARS



STOCK NO.	L	
AP-175S	160	200



# PIPE WRENCH

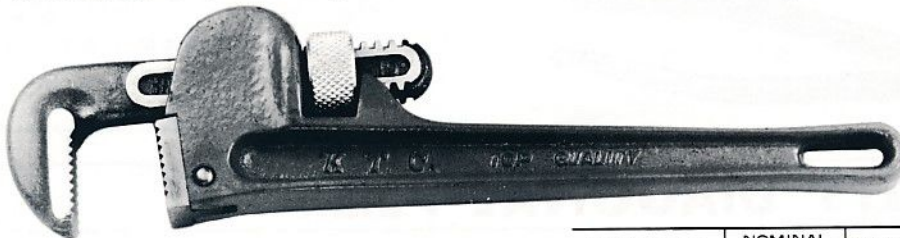


## PIPE WRENCH

Sophisticated KTC pipe wrenches are far exceeding U.S. Federal specifications. The details as per below mentioned.

**HOOK JAW :** Made of fully drop forged, heat treated high carbon steel, threaded in an echelon form shape for easy and stable knurl turning. Edges (teeth) are highly polished, deeply milled precisely and induction hardened for positive long lasting gripping action.

**HANDLE : (Housing) :** Guaranteed against breakage, is made of best quality Ductile (one of the superior quality cast-irons), spheroidized to be equally strong and durable as fully drop forged. Built-in heel jaw offers utmost power when incorporated with hook. A leaf spring in the housing gives the hook jaw ratchetlike action for hooking and unhooking.



STOCK NO.	NOMINAL SIZE	CAPACITY	L	
PW-200	200 (8")	6~30	184	350
-250	250 (10")	6~36	247	740
-300	300 (12")	10~42	270	1080
-350	350 (14")	13~48	324	1330
-450	450 (18")	26~62	410	2140
-600	600 (24")	38~75	540	3800
-900	900 (36")	50~105	802	7400

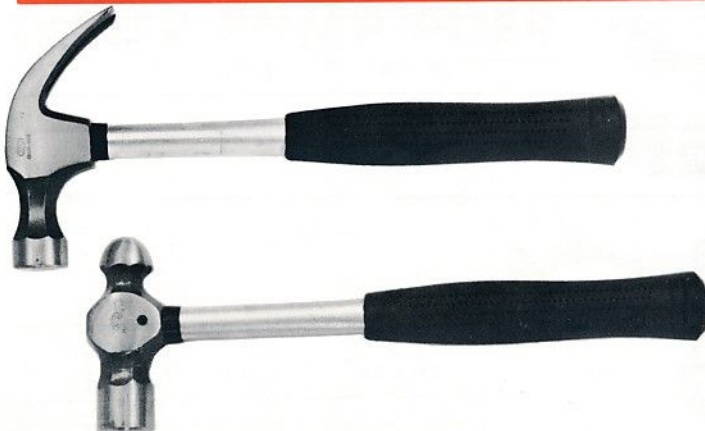
# ADJUSTABLE WRENCH



- 1) Fully drop forged and hardened alloy steel with triple chrome plated finish against rust and corrosion.
- 2) Light weight with thin head/jaw pattern, while strong durability passing over JIS specifications.

STOCK NO.	NOMINAL	NOMINAL CAPACITY	L	
MW-150	150 (6")	20	153	113
-200	200 (8")	24	203	220
-250	250 (10")	29	255	369
-300	300 (12")	34	305	606
-375	375 (15")	44	385	1300
-450	450 (18")	53	465	2200

# HAMMER



Claw Hammer 16-oz. drop forged head, octagonal neck, tubular steel handle, rubber grip, perfect balanced.


Ball-pein Hammer, same.

STOCK NO.	SIZE	CROWN	LENGTH
CH45-323	Claw, 16-oz.	26 $\phi$	320mm
PH45-323	Ball-pein 1 lb.	24 $\phi$	320mm
PH68-344	" 1.5 lb.	35 $\phi$	340mm



# SNAP RING PLIER

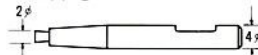
PAT.P

STOCK NO.	TYPE	L	
SOP-171	EXTERNAL STRAIGHT	170	195
-172	* BENT	170	195
-173	* FLAT	170	195
SCP-171	INTERNAL STRAIGHT	175	195
-172	* BENT	175	195

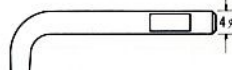
SET NO.	TYPE	SET WEIGHT	STANDARD PACKING
SPC 3	SPARE CLAWS SET OF THREE PAIRS (S) (B) (F)	20	10

## ● TYPE OF CLAWS

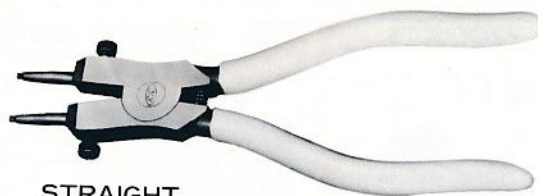
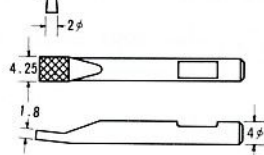
STRAIGHT POINT



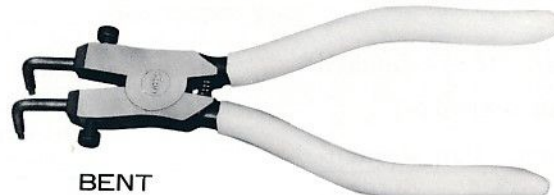
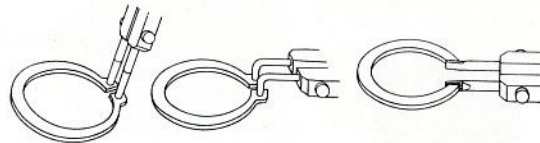
BENT POINT



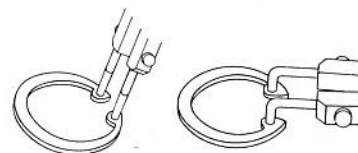
FLAT POINT




STRAIGHT

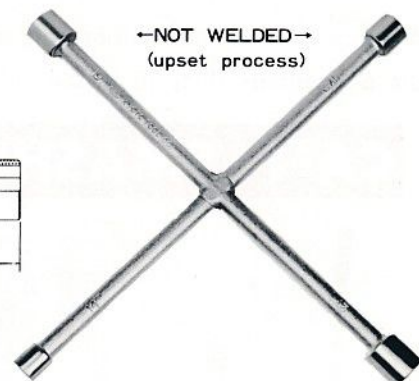
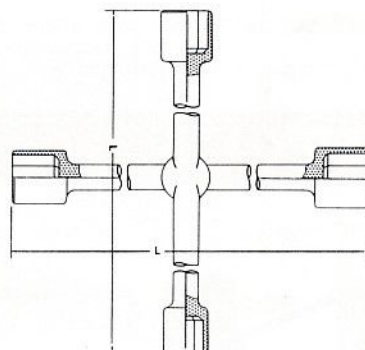


BENT




# CROSS RIM WRENCH

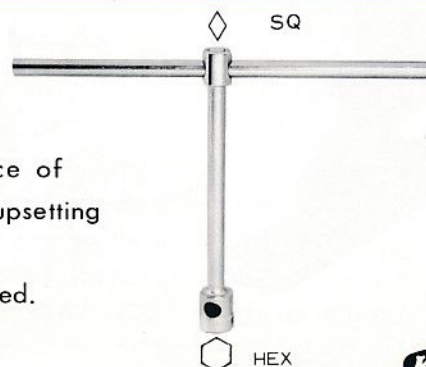
STOCK NO.	$S_1 + S_2 + S_3 + S_4$	L	
XH-1017	10×12×14×17	300	
-1421	14×17×19×21	400	1340
-1723	17×19×21×23	400	1460
-1926	19×21×23×26	400	1540
-1927	19×22×24×27	400	1600
XHB-2028	5/8×3/4×13/16×7/8	400	1420



# HUB NUT WRENCH

STOCK NO.	SIZE	L	BAR φ	
	sq. hex			
WH-1732	17×32	330	25	3820
-1735	17×35	330	25	4040
-2038L	20×38	440	25	4330
-2138L	21×38	440	25	4320
-2141	21×41	440	25	4400

One solid piece of alloy steel thru upsetting method.  
No portion welded.





# BRAKE-OIL EXTRACTOR SET

## 'KTC' NEW PRODUCTS

Item No. BZ13



Your order for individual items is also welcome.

BZ1-12-12mm. size wrench- is available for using to TRUCKS!

How to use:-

Put a wrench, fitted to your vehicle, to Breeder Screws, and loosen the Screw.

Don't worry about oil leakage! This wrench leads oil into container through the attached tube, without any drop of leakage from oil stream.

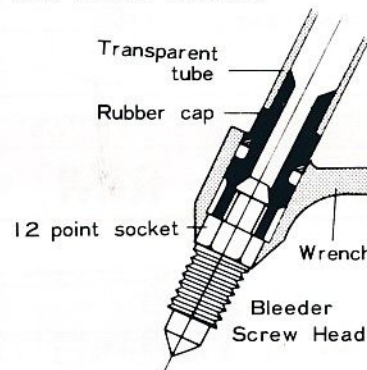
Besides, you can check not only oil condition but also unnecessary air as well as dirts in brake oil, through the transparent tube.

For your Brake Reconditioning, it promises you "Easy & Perfect Fitting".

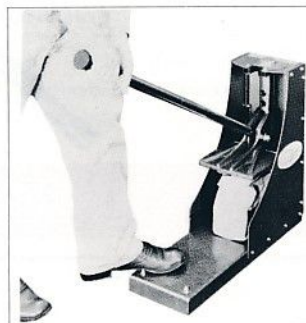
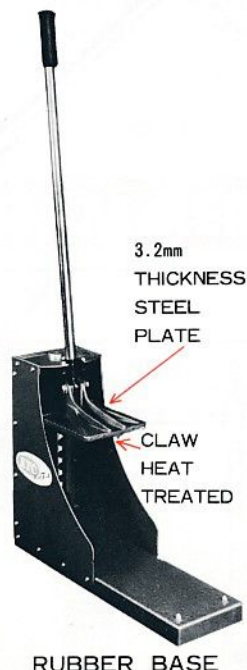
Consisting of:-

DESCRIPTION	NOMINAL SIZE	LENGTH
*BLEEDER SCREW Plug with Oil Extracting Rubber Tube	8mm. (12pt.)	132mm.
-ditto-	10mm. (12pt.)	132mm.
-ditto-	7/16" (12pt.)	132mm.
PVC Oil Container with Hunger	500c.c. capacity	
Extra-Long PVC transparent tube with rubber faucet	1,125mm. length	

\*Bleeder Screws are in Brake Master Cylinder, Brake Wheel Cylinder and Brake Booster.



# CAN SMASHER



ENGINE OIL CANS  
MOTOR OIL CANS  
BEVERAGE/BEER CANS

CAN SMASHER for better environmental condition.

Any empty cans may be smashed with a few times lever work.

Capacity: 270mm. (10") max. height  
170mm. (6-11/16") max. width

Volume may be reduced to 1/5-1/7 from the original dimension.

One lever work produces 25 times pressure, so light and so easy.

Convex surface of press panel keeps cans in fixed position.

Rubber base in the bottom protects from slipping.

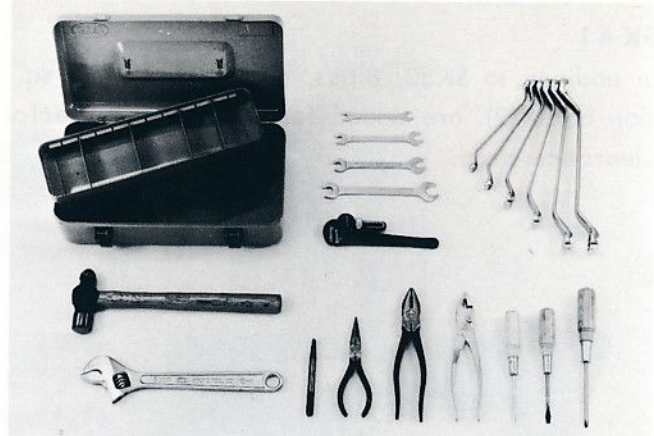
STOCK NO.	NAME	DIMENSION
CAN-285	CAN SMASHER	600×480×190



# MECHANIC SET

## SET NO. SK20. PORTABLE MECHANIC SET

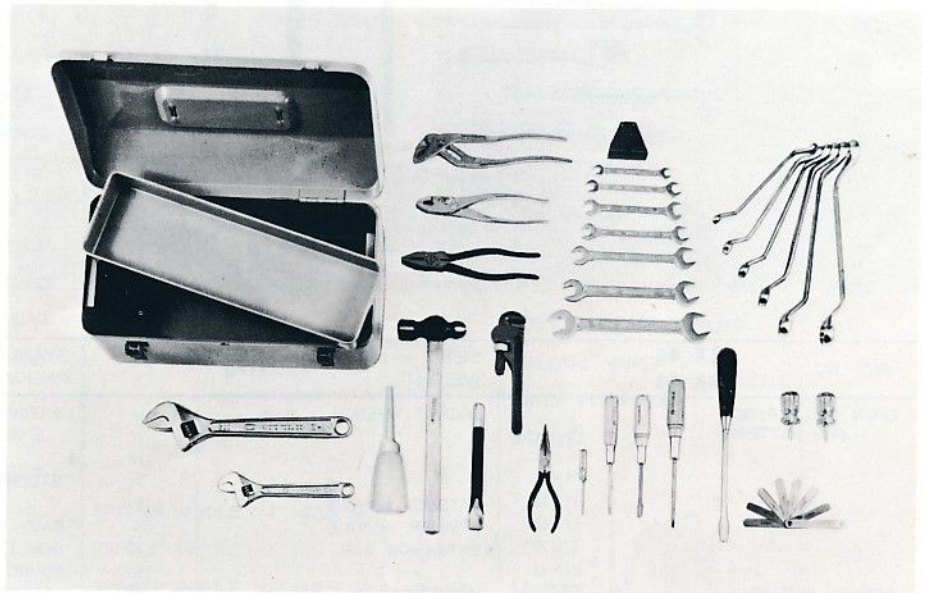
This set consists of minimum tools required by beginners and or less experienced auto mechanics. Most suitable for owner drivers and homes.



SET NO.	SK20	SET WEIGHT	STANDARD PACKING	5
OPEN END WRENCH (LONG PATTERN)	8 x 9	OFFSET WRENCH (45° LONG PATTERN)	22 x 24	ROUND NOSE CHAIN PLIER 150
"	10 x 12	ADJUSTABLE WRENCH	300	HAMMER WOODEN HANDLE 16 oz.
"	11 x 13	COMBINATION PLIER	200	CENTER PUNCH 125
"	14 x 17	PIPE WRENCH	200	INNER METAL TRAY 340 x 95 x 35
OFFSET WRENCH (45° LONG PATTERN)	10 x 12	S/DRIVER (-)	75	METAL CASE 350 x 180 x 110
"	12 x 14	" (+)	No. 1	
"	14 x 17	" (+)	No. 2	
"	17 x 19	SIDE CUTTING PLIER	200	
"	19 x 21			

## SET NO. SK30. PORTABLE MECHANIC SET

These tools are essentially required by professionals. Selection was made thru survey of the professionals by the professionals.



SET NO.	SK30	SET WEIGHT	8.5 kg	STANDARD PACKING	3
OPEN END WRENCH (LONG PATTERN)	8 x 9	OFFSET WRENCH (45° LONG PATTERN)	19 x 21	STUBBY S/DRIVER (-)	
"	10 x 12	"	22 x 24	" (+)	
"	11 x 13	ADJUSTABLE WRENCH	200	" (-)	
"	12 x 14	"	300	BABY S/DRIVER	
"	14 x 17	COMBINATION PLIER	200	SIDE CUTTING PLIER	200
"	17 x 19	"		ROUNDNOSE CHAIN PLIER	150
"	21 x 23	"		HAMMER WOODEN HANDLE	16 oz.
OFFSET WRENCH (45° LONG PATTERN)	10 x 12	WATER PUMP PLIER	250	CHISEL	19 x 190
"	12 x 14	PIPE WRENCH	200	THICKNESS GAUGE (TG-98)	9 1/8 1
"	14 x 17	POUND THRU S/DRIVER (-)	250	OILER	120 cc
"	17 x 19	S/DRIVER (-)	75	INNER METAL TRAY	400 x 120 x 38
"		" (+)	No. 1	METAL CASE	410 x 210 x 150
"		" (+)	No. 2		

COMPONENTS ARE SUBJECT TO CHANGE WITHOUT NOTICE



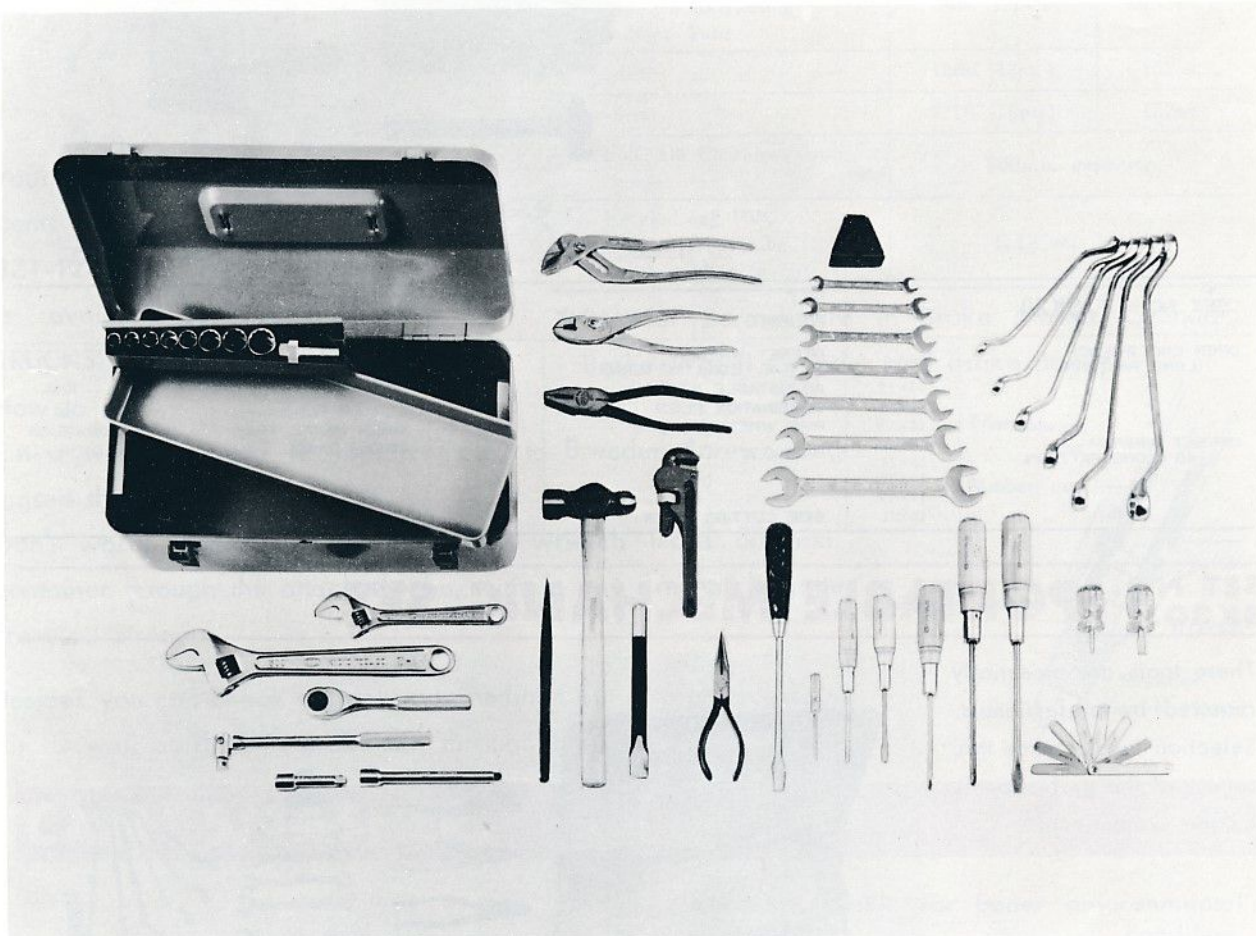
# SET NO. SK40 & SK41 PORTABLE MECHANIC SET

## SK 40

In addition to SK30, 8 pcs. of 12.7mm. (1/2") sq. socket wrenches and ratchet handle, spinner handle are added for wider work performance.

## SK 41

In addition to SK30, 8 pcs. of 9.5mm (3/8") sq. socket wrenches, ratchet handle and extension bars (2) are added for better work performance within close quarters and limited clearance area.



(SK41)

SET NO.	SK 40 SK 41	SET WEIGHT	11kg	STANDARD PACKING	3
OPEN END WRENCH (LONG PATTERN)	8 × 9	SOCKET WRENCH ( ) sq.	14	S/DRIVER (+)	No. 1
"	10 × 12	"	17	" (+)	No. 2
"	11 × 13	"	19	★ " (+)	No. 3
"	12 × 14	RATCHET HANDLE	21	STUBBY S/DRIVER (-)	
"	14 × 17	SPINNER HANDLE	180	" (+)	
"	17 × 19	★ EXTENSION BAR	250	BABY S/DRIVER (-)	
"	21 × 23	"	75	SIDE CUTTING PLIER	200
OFFSET WRENCH (45° LONG PATTERN)	10 × 12	PLUG WRENCH	150	ROUND NOSE CHAIN PLIER	150
"	12 × 14	ADJUSTABLE WRENCH	20.6	HAMMER WOODEN HANDLE	16 oz.
"	14 × 17	"	200	CHISEL	19 × 190
"	17 × 19	COMBINATION PLIER	300	FILE MED	100
"	19 × 21	WATER PUMP PLIER	200	THICKNESS GAUGE (TG-98)	9 IN 1
"	22 × 24	PIPE WRENCH	242	INNER METAL TRAY	400 × 120 × 38
SOCKET WRENCH ( ) sq.	10	POUND THRU S/DRIVER (-)	200	METAL CASE	410 × 210 × 150
"	11	S/DRIVER (-)	290		
"	12	" (-)	75		
"	13		150		

★ MARK EXCLUDED IN SK40 ※ SK40: SOCKETS ARE 1/2" sq. RATCHET 250mm L SPINNER HANDLE 300~380mm.

※ SK41: " 3/8" sq. " 180mm L

COMPONENTS ARE SUBJECT TO CHANGE WITHOUT NOTICE

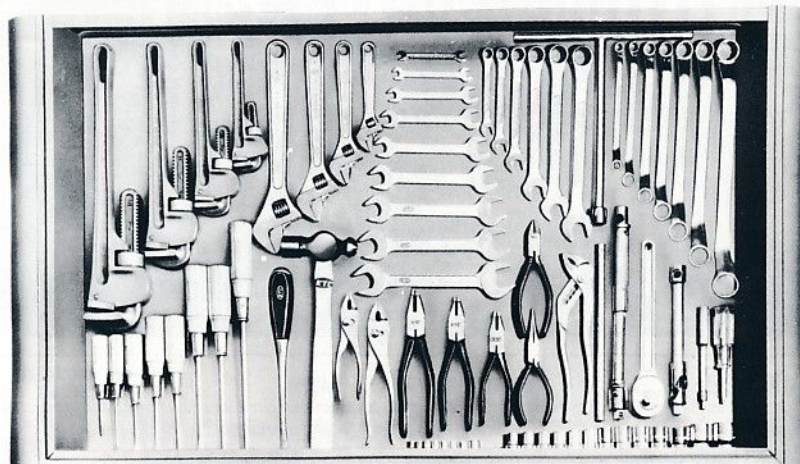


# MECHANIC KIT

MK 80:

Mounted-on-Board General Purpose Mechanic Kit,

- 1) Specially arranged for mechanical plants, repair works and car service stations.
- 2) Easy to refill the lack of tools by the vacancy showing
- 3) The hang-up pannel brings easy finding the necessary tool instantly.



SET NO.	MK80	SET WEIGHT	43kg	STANDARD PACKING	CASE 26kg TOOLS 43kg
OPEN END WRENCH (STANDARD PATTERN)	6 × 7	SOCKET WRENCH 1/4" (6.35) sq.	9	ADJUSTABLE WRENCH	300
"	8 × 9	"	10	PIPE WRENCH	200
"	10×12	"	12	"	250
"	12×14	" 1/2" (12.7) sq.	10	"	350
"	14×17	"	11	"	450
"	17×19	"	12	T-SHAPE WRENCH	14
"	19×21	"	13	COMBINATION PLIER	150
"	21×23	"	14	"	200
"	23×26	"	14.5	SIDE CUTTING PLIER	150
OFFSET WRENCH (45° LONG PATTERN)	8 × 9	"	16	"	175
"	10×12	"	17	"	200
"	12×14	"	17.5	ROUND NOSE CHAIN PLIER	160
"	14×17	"	19	DIAGONAL NIPPER	160
"	17×19	"	21	WATER PUMP PLIER	242
"	19×21	"	23	S/DRIVER (-)	50
"	23×26	"	26	"	75
COMBINATION WRENCH	10	SPINNER HANDLE 1/4" (6.35) sq.	150	"	100
"	12	HANDLE 5φ	100	"	150
"	14	SPINNER HANDLE 1/2" (12.7) sq.	300~380	S/DRIVER (+)	No. 1
"	17	HANDLE 12φ	250	"	No. 2
"	19	EXTENSION BAR 1/2" (12.7) sq.	150	"	No. 3
"	21	UNIVERSAL JOINT	1/2(12.7)	"	No. 4
SOCKET WRENCH 1/4" (6.35) sq.	4	RATCHET HANDLE 1/2" (12.7) sq.	255	POUND THRU S/DRIVER (-)	250
"	5	DRIVER TYPE HANDLE 1/4" (6.35) sq.	50	HAMMER WOODEN HANDLE	16 oz.
"	6	ADJUSTABLE WRENCH	150	METAL CASE	1100×620×106
"	7	"	200		
"	8	"	250		

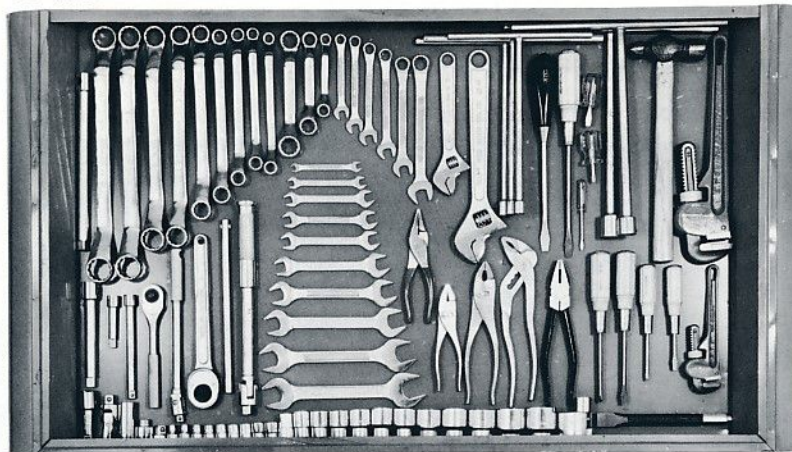
COMPONENTS ARE SUBJECT TO CHANGE WITHOUT NOTICE



# MECHANIC KIT

MK 90:

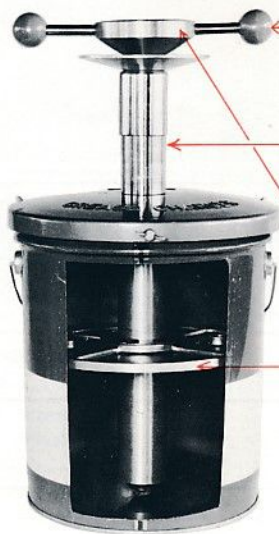
Suitable for repair works, auto repair service station and gas station adding Heavy Duty Tools to MK 80 Kit.



SET NO.	MK 90	SET WEIGHT	49kg	STANDARD PACKING	CASE TOOLS	26kg 49kg
	OPEN END WRENCH (STANDARD PATTERN)	6 × 7		SOCKET WRENCH 1/2" sq.	22	
	"	8 × 9		"	23	
	"	10 × 12		"	24	
	"	11 × 13		"	26	
	"	12 × 14		"	27	
	"	14 × 17		"	29	
	"	17 × 19		"	30	
	"	19 × 21		"	32	
	"	22 × 24		RATCHET HANDLE 1/2" sq.	255	
	"	23 × 26		SPINNER HANDLE 1/2" sq.	300~380	
	OFFSET WRENCH (45° LONG PATTERN)	10 × 12		EXTENSION BAR 1/2" sq.	75	
	"	11 × 13		"	150	
	"	12 × 14		"	250	
	"	14 × 17		CROSS BAR	250	
	"	17 × 19		ADAPTOR 1/2" FEMALE × 3/8" MALE		
	"	19 × 21		-DO- 3/8" FEMALE × 1/2" MALE		
	"	22 × 24		UNIVERSAL JOINT	1/2" sq.	
	"	23 × 26		STUD REMOVER	1/2" sq.	
	"	24 × 27		SPARK PLUG WRENCH 3/8" sq.	20.6	
	OFFSET WRENCH (45° SHORT PATTERN)	10 × 12		T-TYPE WRENCH	10	
	"	14 × 17		"	12	
	"	19 × 21		"	14	
	COMBINATION WRENCH	10		"	17	
	"	11		"	21	
	"	12		ADJUSTABLE WRENCH	200	
	"	13		"	300	
	"	14		COMBINATION PLIER	150	
	"	17		"	200	
	SOCKET WRENCH 3/8" sq. (9.5)	6		LONG NOSE PLIER	150	
	"	7		WATER PUMP PLIER	242	
	"	8		SIDE CUTTING PLIER	200	
	"	9		S/DRIVER (MINUS)	50	
	"	10		"	100	
	"	11		"	150	
	"	12		S/DRIVER (RECESSED)	No. 1	
	"	13		"	No. 2	
	"	14		POUND THROUGH S/DRIVER (-)	250	
	RATCHET HANDLE 3/8" sq.	180		STUBBY DRIVER	MINUS	
	SPINNER HANDLE 3/8" sq.	250		"	CROSS	
	EXTENSION BAR 3/8" sq.	75		BABY DRIVER	MINUS	
	EXTENSION BAR	150		PIPE WRENCH	200	
	SOCKET WRENCH 1/2" sq.	14		"	350	
	"	17		BALL PEEN HAMMER	1LB	
	"	19		CHISEL	19×190	
	"	21		MECHANIC KIT CASE (1100×620×106)		



## GZ18 GREASE CHARGER



1. Place inner cover over the grease surface. Press down until grease fills center hole. A pail can must be in perfect shape without any dents.
2. Insert cylinder into the center hole until main cover contacts the pail can. Tighten up screw for fastening.
3. Remove upper cone and place a bearing over the lower cone. Re-cap upper cone and press down handle lever a few times until cylinder is filled with grease. Press harder to exchange grease until fresh grease pushes out old grease out of the bearings.
4. When pail is emptied, unscrew one of the handle levers and screw into inner cover to pull out.

## SK200-M MECHANIC DESK (TOOLS ARE ALWAYS SIDE BY SIDE)

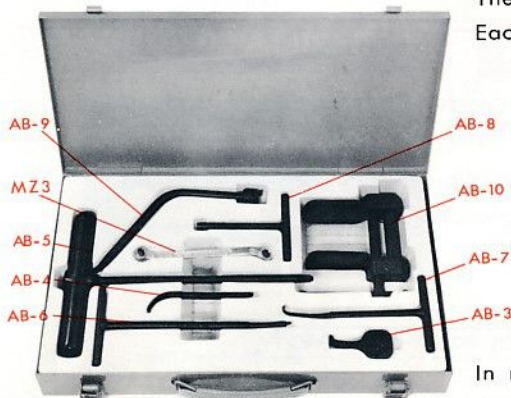


- ① Parts tray-for small bolts and nuts and other small pieces.
  - ② Solid arm, height adjustable 50-350mm. 360° swivel type.
  - ③ Flat table.
  - ④ Check list and card holder
  - ⑤ Drawers with adjustable dividers. Built-in bearings make smooth drawing and closing with locks.
  - ⑥ Space for a parts tray under the lower drawer.
  - ⑦ Strong rubber belt protection guard.
  - ⑧ Cylinder lock.
  - ⑨ Rack for hammers and oilers. Removable rack.
  - ⑩ Basket, unhookable.
  - ⑪ Strong casters of 75φ, all casters 360° swivel type. Very easy for rolling.
  - ⑫ Wide storage space with lock, for air tools and testers, etc.
  - ⑬ One touch stopper holds the wagon where it stands.
- May be supplied with complete tool set under stock No. SK200 which is the most equipped KTC tool set.

870×600×482

SK200-M (20kg), SK200 (60kg)

## AB9 BRAKE TOOL SET



The Brake tool set consists of 9 pcs. as follows:

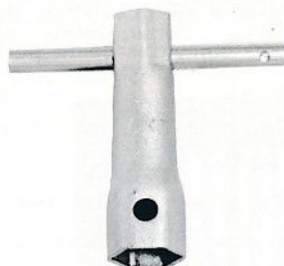
Each tool is designed for its specific purpose, exclusively.


- AB- 5 Brake drum screwdriver.
- AB- 8 Shoe hold spring tool.
- AB- 9 Duo-Servo type spring tool.
- AB- 7 Tension spring tool.
- AB- 6 Tension spring tool.
- AB- 3 Brake shoe adjusting tool.
- AB- 4 Brake shoe adjusting tool.
- AB-10 Disc brake piston tool.
- MZ 3 Brake adjusting wrench.

In metal carrying case 415×220×52



## PLUG WRENCH W/TOMMY BAR



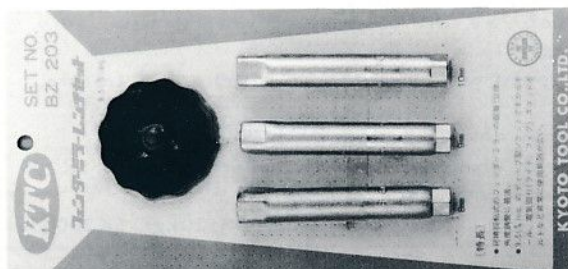
STOCK NO.	S	PLUG SIZE	
PH-1621	16×21	10×14	138

## PLUG WRENCH SET (3/8"sq)



SET NO.	BB2503P
PLUG	16 (10)
	18 (12)
	20.6 (14)
ACCESSORIES FOR PLUG	RATCHET HANDLE
	EXTENSION BAR 75
	250
	DRIVER TYPE HANDLE
SET WEIGHT	1640 g
STANDARD PACKING	15

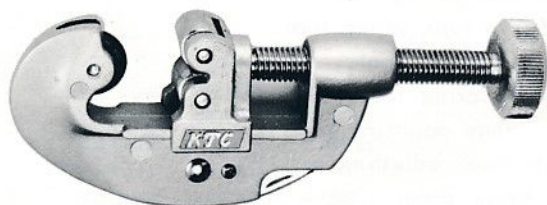
## FENDER-MIRROR WRENCH SET



Fender-Mirror Wrench set for exchange work  
Prominent and wide-range capacity on exchange  
and adjustment for fender mirror, stud-bolt, electrical  
portion, etc.

SET NO.	SIZE
BZ 203S	DISC KNOB 8, 9, 10 (3/8sq.)

## TUBING CUTTER



Pipe Cutter for Professional use stock  
NO. PCI-30.

Aluminum die-cast and special alloy  
steel blade (SKS 2)

Capacity: 30mm, outside dia.

STOCK NO.	CAPACITY
PCI-30	3~30mmφ



## HEX-WRENCH

SET NO. HB3011 & HB2009



SET NO. HB3011

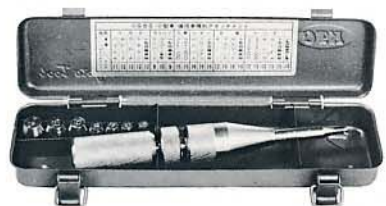
Setscrews. 3, 4, 5, 6, 8, 10, 12, 14, 17mm  
Cross driver bit  
minus driver bit  
Ratchet handle 255  
Extension bar 75  
Bar 250  
Metal case 265×117×38

## FLEX HEAD SOCKET



SET NO.	SIZE
FBH103	8×9, 10×12, 13×14

## CLUTCH GUIDE TOOL



SET NO.	SIZE
CG67	Attachments 9, 10, 11, 12, 15, 16, 18 Guide Center Shaft Metal case 265×70×40

## TAPPET SPANNER



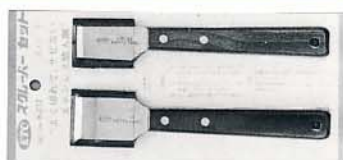
SET NO.	SIZE
S206	10×12 12×10 12×14 14×12 17×19 19×17

## CYLINDER POLISHER



SET NO. ACP6  
Cylinder polisher 6 pcs set.  
Size 16, 24, 32 mm

## GASKET SCRAPERS



SET NO. KZ12S  
Solid stainless steel blade, hardened.

## NUT DRIVER



SET NO.	SIZE
ND6	7, 8, 9, 10, 11, 12

## KNOCK PIN PUNCH



SET NO.	SIZE
PK3	4φ, 4.5φ, 5φ
PK8	2φ, 3φ, 4φ, 4.5φ, 5φ, 6φ, 7φ, 8φ

## HUB CAP PLIER



STOCK NO.	L	φ
HP-350	350mm	95CAP.

## BRAKE SPRING PLIER



STOCK NO.	OVERALL—L
BSP-520	520 mm

## S/DRIVER



MD/PD: WOODEN HANDLE



FD/FPD: POUND THRU H.D.



MDD/PDD: PLASTIC HANDLE



SD/SM: STUBBY

STOCK NO.	BLADE LENGTH	BLADE WIDTH	THICKNESS	L
MDD or MD-50	50	5	0.6	(MDD) 140 (135)
-75	75	5.5	0.7	175 (170)
-100	100	6	0.8	215 (210)
-125	125	7	0.9	245 (240)
-150	150	8	1.0	285 (280)
-200	200	9	1.1	335 (330)
-250	250	9 (10)	1.2	390 (385)
-300	300	9 (10)	1.2	440 (435)

STOCK NO.	ITEM	BLADE LENGTH	BLADE WIDTH	THICKNESS	L
FD-250	MINUS	160	9	1.4	290
FPD-250	CROSS	155	—	—	280

STOCK NO.	NO.	BLADE LENGTH	L
PDD or PD-1	No. 1	75	165 (175)
-2	No. 2	100	215
-3	No. 3	150	285 (280)
-4	No. 4	200	340 (335)
SD-M	MINUS	25	72
-P	CROSS	25	72





**KYOTO TOOL CO., LTD.**